Use this step to compute the concept values by fixing the backbone of the Blackbox. 2. Train

Use the background concepts as metadata and using Metadata Normalization, the background bias is eliminated. Thus, the Blackbox becomes robust. 4. Finetune Blackbox Use this step to retrieve the FOL. In FOL, the spurious background concepts do not show up.

6. Train mix

of experts

1. Train Blackbox

Use this step to retrieve the FOL. In

show up.

3. Train mix

with MDN of experts FOL, the spurious background concepts

Use this step to compute the concept values by fixing the backbone of the robust Blackbox.

5. Retrain

Compare the accuracies of subsets Waterbirds on water vs Waterbirds on Land and vice versa.